Pt. 98, Subpt. F, Table F-2

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(or to measure anode effect overvoltage and current efficiency).

- (e) The following CO₂-specific information for prebake cells:
 - (1) Annual anode consumption.
- (2) Annual CO_2 emissions from the smelter.
- (f) The following CO_2 -specific information for Sderberg cells:
 - (1) Annual paste consumption.
- (2) Annual CO_2 emissions from the smelter.
- (g) Smelter-specific inputs to the CO_2 process equations (e.g., levels of sulfur

and ash) that were used in the calculation, on an annual basis.

(h) Exact data elements required will vary depending on smelter technology (e.g., point-feed prebake or Sderberg) and process control technology (e.g., Pechiney or other).

§ 98.68 Definitions.

All terms used in this subpart have the same meaning given in the Clean Air Act and subpart A of this part.

Table F-1 to Subpart F of Part 98—Slope and Overvoltage Coefficients for the Calculation of PFC Emissions From Aluminum Production

Technology	CF ₄ slope coefficient [(kg CF ₄ /metric ton Al)/ (AE–Mins/cell-day)]	CF ₄ overvoltage coefficient [(kg CF ₄ /metric ton Al)/(mV)]	Weight fraction C ₂ F ₆ /CF ₄ [(kg C ₂ F ₆ /kg CF ₄)]
Center Worked Prebake (CWPB)	0.143	1.16	0.121
Side Worked Prebake (SWPB)	0.272	3.65	0.252
Vertical Stud Sderberg (VSS)	0.092	NA	0.053
Horizontal Stud Sderberg (HSS)	0.099	NA	0.085

 $[74 \; \mathrm{FR} \; 79156, \; \mathrm{Dec.} \; 17, \; 2010]$

Table F–2 to Subpart F of Part 98—Default Data Sources for Parameters Used for ${\rm CO_2}$ Emissions

Parameter	Data source
CO ₂ Emissions from Prebake Cells (CWPB and SWP	B)
MP: metal production (metric tons AI)	Individual facility records. Individual facility records.
S _a : sulfur content in baked anode (percent weight)	
CO ₂ Emissions From Pitch Volatiles Combustion (CWPB and	d SWPB)
MP: metal production (metric tons AI) PC: annual paste consumption (metric ton/metric ton AI) CSM: annual emissions of cyclohexane soluble matter (kg/metric ton AI) BC: binder content of paste (percent weight) S _p : sulfur content of pitch (percent weight) Ash _p : ash content of pitch (percent weight) H _p : hydrogen content of pitch (percent weight) S _c : sulfur content in calcined coke (percent weight) Ash _c : ash content in calcined coke (percent weight) Ash _c : ash content in calcined coke (percent weight) CD: carbon in skimmed dust from Sderberg cells (metric ton C/metric ton AI)	0.2. 3.3. 1.9. 0.2.
CO ₂ Emissions from Pitch Volatiles Combustion (VSS and	I HSS)
GA: initial weight of green anodes (metric tons) H _w : annual hydrogen content in green anodes (metric tons) BA: annual baked anode production (metric tons) WT: annual waste tar collected (metric tons) (a) Riedhammer furnaces (b) all other furnaces.	Individual facility records. 0.005 × GA. Individual facility records. (a) 0.005 × GA. (b) insignificant.
CO ₂ Emissions From Bake Furnace Packing Materials (CWPB	and SWPB)
PCC: annual packing coke consumption (metric tons/metric ton baked anode)	